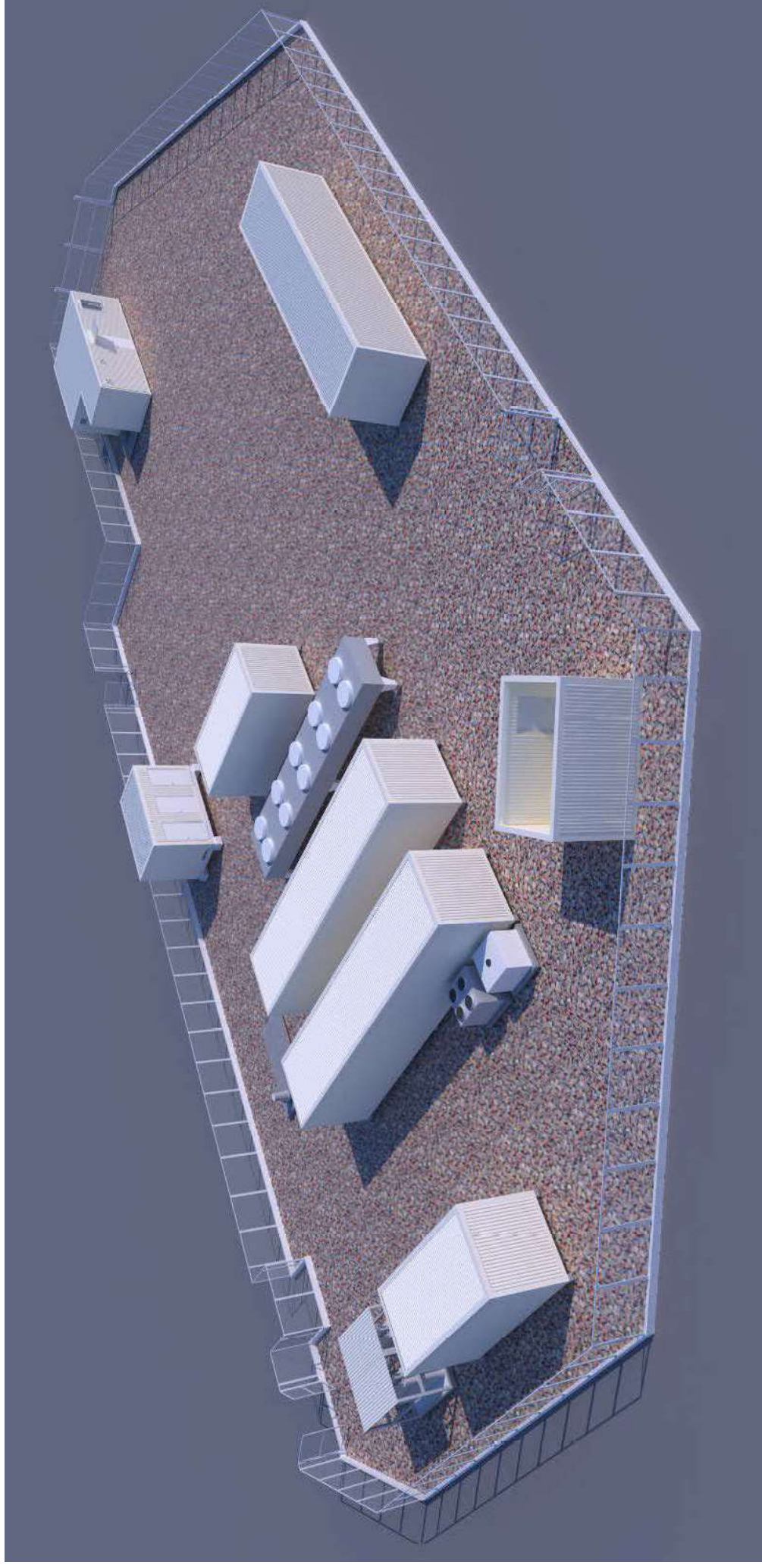
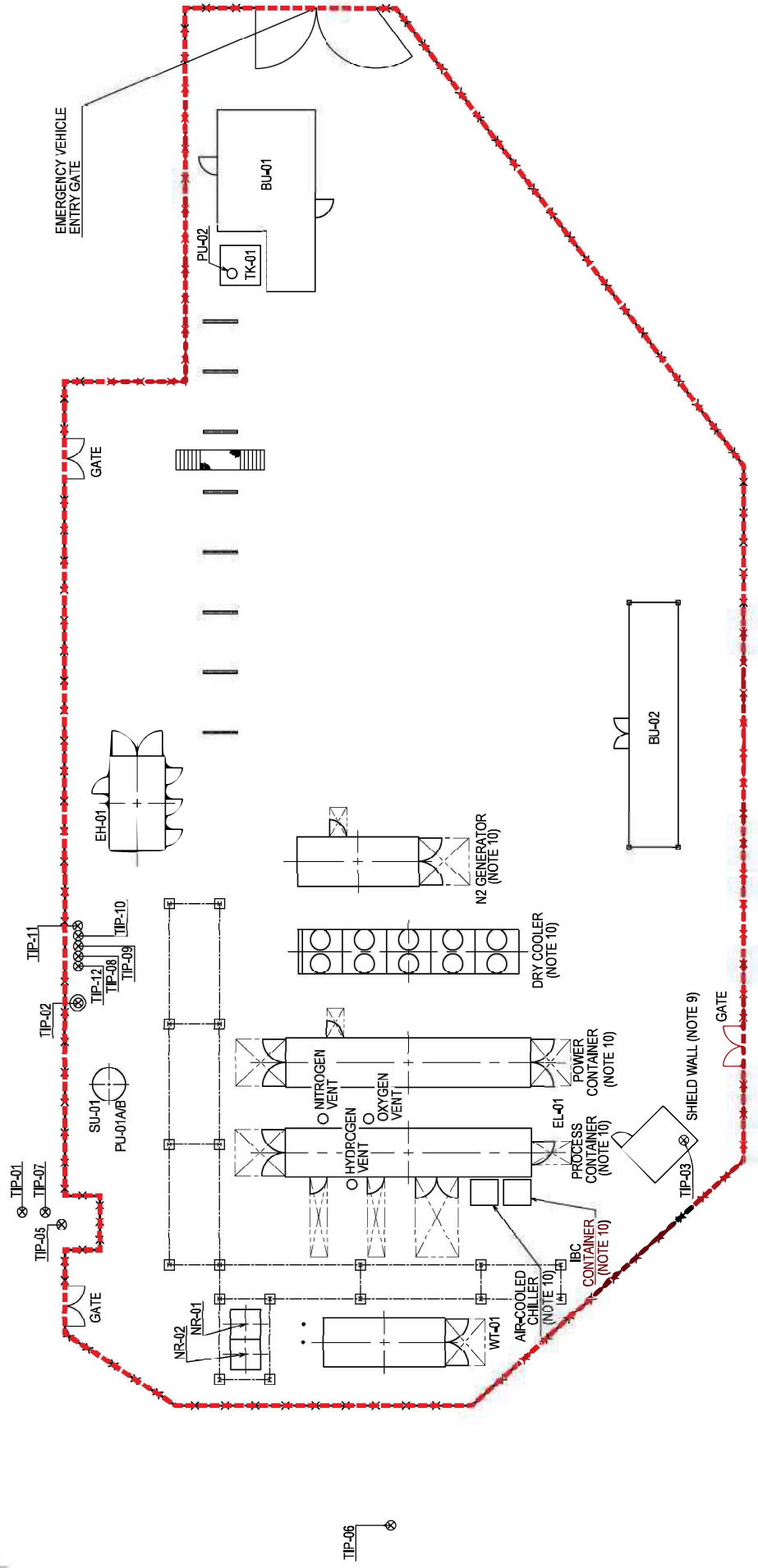
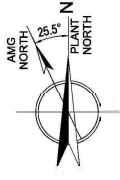






PLANS AND DOCUMENTS
referred to in the
SDA APPROVAL
SDA approval: APC2024/003



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SUMITOMO HYDROGEN PROJECT

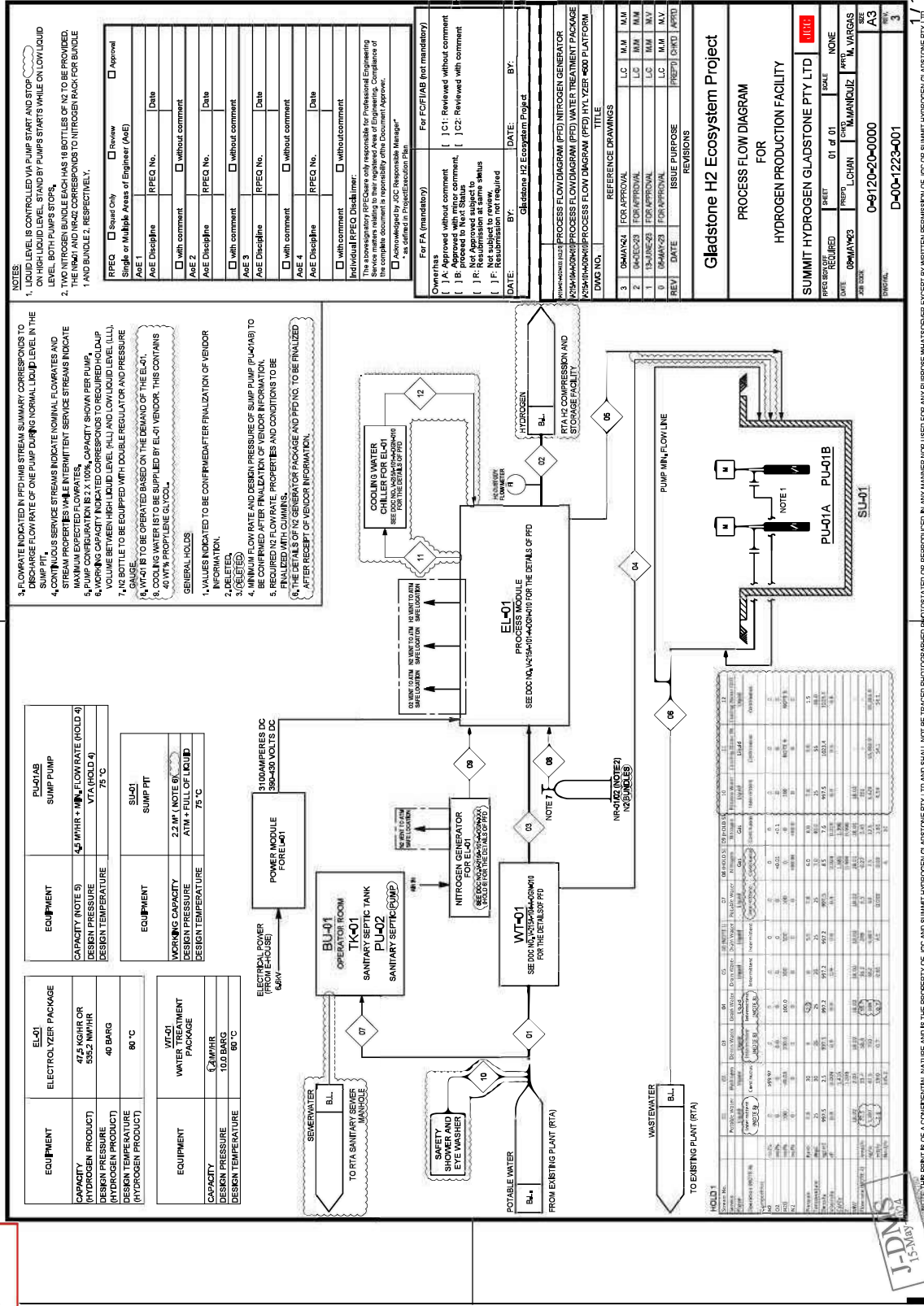
FIGURE 2.2

Updated site layout



SOURCE
JGC Corporation (May 2024)











LEGEND

- Major road
- Minor road
- Railway
- Minor watercourse
- Cadastral
- Pilot plant site boundary
- Lot boundary
- Jemena carpark boundary

PLANS AND DOCUMENTS
referred to in the
SDA APPROVAL

SDA approval: APC2024/003



SOURCE:
Cadastral from DCD, Roads, railways and watercourses from DNRME, Imagery from ESRI Online



SCALE 1:20,000
PAGE SIZE: A4
PROJECTION: GDA 1984 MGA Zone 56

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FIGURE 2.7
Project Site

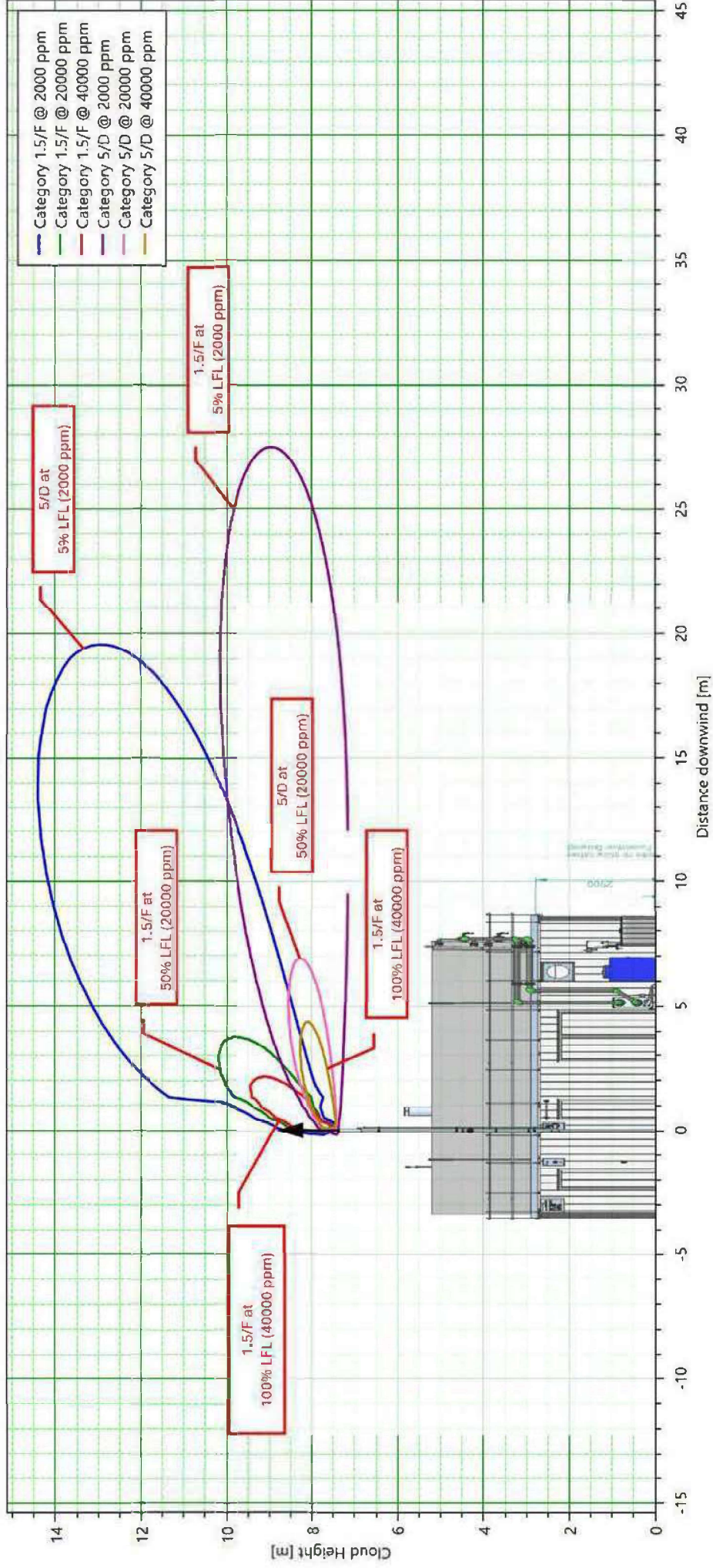


TETRA TECH
COFFEY

DATE: 30.05.24 PROJECT: 754-MELLEN32288 FILE: 232288_03_1703_027_015



Side view Leak



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FIGURE 2.15

Hydrogen release vent dispersion model
- LFL scenarios



SOURCE
JGC Corporation (February 2024)



- Category 1.5/F @ 31969 ppm
- Category 5/D @ 31969 ppm





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JOB No. 0-9120-20	DOC. No. T-00-1242-005	Rev. 1
DATE 04 - APR - 2024 SHEET 1 OF 28		
PREP'D	R.Osdon	R.O
CHK'D	M.Manalo	M.M
APP'D	M.Manalo	M.M
RPEQ sign off	Required	Not required

EPC HAZID STUDY REPORT

RPEQ ☐ Squad Review ☒ Only ☐ Review ☐ Approval

Single or Multiple Areas of Engineer (AoE)

AoE 1

AoE Discipline

RPEQ No.

Date

☐ with comment ☐ without comment

AoE 2

AoE Discipline

RPEQ No.

Date

☐ with comment ☐ without comment

AoE 3

AoE Discipline

RPEQ No.

Date

☐ with comment ☐ without comment

AoE 4

AoE Discipline

RPEQ No.

Date

☐ with comment ☐ without comment

Individual RPEQ Disclaimer:

The above signatory RPEQs are only responsible for Professional Engineering Service matters relating to their registered Area of Engineering. Compliance of the complete document is responsibility of the Document Approver

☐ Acknowledged by JGC Responsible Manager*

* as defined in Project Execution Plan

For FA (mandatory)

Owner has

☐ A:

Approved without comment

☐ B:

Approved with minor comment, proceed to Next Status

☐ R:

Not Approved subject to Resubmission at same status

☐ F:

Not subject to review, Resubmission not required

For FC/Fl/AB (not mandatory)

Owner has

☐ C1:

Reviewed without comment

☐ C2:

Reviewed with comment

DATE:

BY:

Gladstone H2 Ecosystem Project

Gladstone H2 Ecosystem Project

FOR CONSTRUCTION

REV.	Date	Page	DESCRIPTION	PRE'D	CHK'D	APP'D
0	22 FEB 2024	All	For Approval (FA)	R.Osdon	M.Manalo	M.Manalo
1	04 APR 2024	All	For Construction (FC)	R.Osdon	M.Manalo	M.Manalo



SUMMIT HYDROGEN GLADSTONE PTY LTD

JOB No. 0-9120-20	DOC. No. T-00-1242-003	Rev. 1
DATE 10 - MAY - 2024 SHEET 1 OF 63		
PREP'D	R.Osdon	R.O
CHK'D	M.Manalo	M.M
APP'D	M.Manalo	M.M
RPEQ sign off	Required	Not required

FEA (FIRE AND EXPLOSION CONSEQUENCE BASED ANALYSIS) AND ATMOSPHERIC VENT DISPERSION STUDY REPORT

RPEQ ☐ Squad Review ☒ only ☐ Review ☐ Approval		
Single or Multiple Areas of Engineer (AoE)		
AoE 1		
AoE Discipline	RPEQ No.	Date
☐ with comment ☐ without comment		
AoE 2		
AoE Discipline	RPEQ No.	Date
☐ with comment ☐ without comment		
AoE 3		
AoE Discipline	RPEQ No.	Date
☐ with comment ☐ without comment		
AoE 4		
AoE Discipline	RPEQ No.	Date
☐ with comment ☐ without comment		
Individual RPEQ Disclaimer:		
The above signatory RPEQs are only responsible for Professional Engineering Service matters relating to their registered Area of Engineering. Compliance of the complete document is responsibility of the Document Approver		
☐ Acknowledged by JGC Responsible Manager*		
* as defined in Project Execution Plan		

For FA (mandatory)	
Owner has	
[] A:	Approved without comment
[] B:	Approved with minor comment, proceed to Next Status
[] R:	Not Approved subject to Resubmission at same status
[] F:	Not subject to review, Resubmission not required
For FC/Fl/AB (not mandatory)	
Owner has	
[] C1:	Reviewed without comment
[] C2:	Reviewed with comment
DATE:	BY:
Gladstone H2 Ecosystem Project	

Gladstone H2 Ecosystem Project

FOR CONSTRUCTION

REV.	Date	Page	DESCRIPTION	PRE'D	CHK'D	APP'D
0	16 APR 2024	All	For Approval (FA)	G.Luwalhati	R.Osdon	M.Manalo
1	10 MAY 2024	4, 8, 12, 59	For Construction (FC)	R.Osdon	M.Manalo	M.Manalo

ENVIRONMENTAL RISK ASSESSMENT FRAMEWORK

Likelihood

Rating	Likelihood of occurrence	Occurrence	General
Almost certain	Greater than 90%	Every year	Harm will occur under current work conditions
Likely	70% to 90%	Once every two years	Harm will probably occur under current work conditions
Possible	30% to 70%	Once every ten years	Harm may possibly occur but is unlikely
Unlikely	1% to 3%	Once every 50 years	Harm unlikely and not anticipated to occur
Rare	Less than 1%	Once every 100 years	Harm may occur in exceptional circumstances

Consequence

Rating	Description
Catastrophic	Significant environmental impact with effects lasting greater than 10 years or irreversible. Environmental effects extend well beyond the site. Significant remediation and compensation (environmental offsets or contributions). Single or multiple fatalities. Community outrage and potential regulatory response with potential for clean-up notices or fines.
Severe	Extensive environmental impact with effects lasting 5 to 10 years. Environmental effects extend outside the site. Extensive and long-term remediation with monitoring required. Serious injury with permanent disability. Community concerns attract government agency attention.
Major	Environmental impact with effects lasting 2 to 5 years. Environmental effects extend outside the site. Remediation with monitoring required. Injury requiring hospitalization and recovery. Local community concerns attract local government attention.
Moderate	Localised environmental impact with effects lasting 12 to 24 months. Environmental effects extend outside the site. Remediation required. No residual impacts. Injury requiring medical treatment. Local community publicly raises concerns in support of affected landowners.
Minor	Localised environmental impact with short effects lasting less than 12 months. Environmental effects contained within the site. Clean-up effective in managing impacts. No residual impacts. Injury requiring first aid. Landowners publicly raise concerns.